

P21103.A04



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Hwee Hwa PANG et al.

Group Art Unit: 2151

Appln No : 09/856,515
(National Stage of PCT/SG99/00018)

Examiner: Not Yet Assigned

Filed : June 15, 2001
(International Filing Date March 18, 1999)

For : METHOD FOR ADAPTING MIGRATING PROCESSES TO HOST
MACHINES

RECEIVED

APR 16 2002

Technology Center 2100

#6

S.I

04-12-02

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure under 37 C.F.R. §1.56, §1.97-1.98, and supplemental to the Information Disclosure Statements filed in the instant application on October 9, 2000 and March 25, 2002, Applicants hereby call the following documents to the Examiner's attention:

In an International Search Report, issued on March 22, 2000, for application no. PCT/SG/99/00077, the following documents were cited:

(1) Microsoft Office 97, 1997; Power Point 97, Pack&Go, Save as HTML; Outlook 97; Scheduler, was cited as an X-Category document (i.e., document of particular relevance;

P21103.A04

the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone) with respect to claims 1-18 of the Singapore application. This document was also cited as a Y-Category document (i.e., document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art) with respect to claims 4 and 8 of the Singapore application. Applicants note that this citation is directed towards the Microsoft Office program, a paper version of which is presently not available to the undersigned;

(2) Aptiva Handbook (IBM), published June, 1996, along with an English language translation of the same, was cited as an X-Category document with respect to claims 1, 11-14, and 17-18 of the Singapore application. This document was also cited as a Y-Category document with respect to claims 4 and 8 of the Singapore application. Applicants note that this document was previously submitted with an Information Disclosure Statement filed in the instant application on October 9, 2000;

(3) International Publication No. WO 98/49643 (POSTIX CORPORATION), published on November 5, 1998, was cited as an X-Category document with respect to claims 1-3, 5-7, and 11-18 of the Singapore application;

(4) A printout of a Web Site entitled "Rapid Resume", retrieved by the Examiner on February 16, 2000, was cited as a T-Category document (i.e., later document published after the international filing date or priority date and not in conflict with the application but cited

P21103.A04

to understand the principle or theory underlying the invention). Applicants note that this document was previously submitted with an Information Disclosure Statement filed in the instant application on October 9, 2000; and

(5) A printout of a Website entitled "Scheduler", retrieved by the Examiner on March 7, 2000, was cited as a T-Category document.

Further, Applicants call the following documents to the Examiner's attention:

- (6) U.S. Patent No. 4,740,969 to FREMONT, issued on April 26, 1988;
- (7) U.S. Patent No. 4,954,941 to REDMAN, issued on September 4, 1990;
- (8) U.S. Patent No. 5,175,828 to HALL et al., issued on December 29, 1992;
- (9) U.S. Patent No. 5,199,066 to LOGAN, issued on March 30, 1993;
- (10) U.S. Patent No. 5,339,430 to LUNDIN et al., issued on August 16, 1994;
- (11) U.S. Patent No. 5,557,736 to HIROSAWA et al., issued on September 17, 1996;
- (12) U.S. Patent No. 5,590,277 to FUCHS et al., issued on December 31, 1996;
- (13) U.S. Patent No. 5,629,980 to STEFIK et al., issued on May 13, 1997;
- (14) U.S. Patent No. 5,630,047 to WANG, issued on May 13, 1997;
- (15) U.S. Patent No. 5,659,751 to HENINGER, issued on August 19, 1997;
- (16) U.S. Patent No. 5,664,088 to ROMANOVSKY et al., September 2, 1997;
- (17) U.S. Patent No. 5,689,560 to COOPER et al., issued on November 18, 1997;
- (18) U.S. Patent No. 5,694,469 to LERUE, issued on December 2, 1997;
- (19) U.S. Patent No. 5,696,975 to MOORE et al., issued on December 9, 1997;
- (20) U.S. Patent No. 5,712,971 to STANFILL et al., issued on January 27, 1998;

P21103.A04

(21) U.S. Patent No. 5,724,423 to KHELLO, issued on March 3, 1998;

(22) U.S. Patent No. 5,751,939 to STIFFLER, issued on May 12, 1998;

(23) International Application No. WO 97/00476 (AT&T IPM CORP.), published on January 3, 1997;

(24) International Application No. WO 98/13753 (WEBMAN TECHNOLOGIES, INC.), published on April 2, 1998;

(25) European Patent Application No. EP 0 762 789 A2 (AT&T IPM CORP.), published on March 12, 1997;

(26) European Patent Application No. EP 0 788 052 (KABUSHIKI KAISHA TOSHIBA), published on August 6, 1997;

(27) Great Britain Patent No. GB 2032149 (FUJITSU LIMITED), published on April 30, 1980;

(28) DOUGLAS et al., "Transparent Process Migration: Design Alternatives and the Sprite Implementation", Software Practice and Experience 21(8), August, 1991, pages 757-786;

(29) ARTSY et al., "Designing a Process Migration Facility: The Charlotte Experience", IEEE Computer 22(9), September, 1989, pages 47-56;

(30) MILOJICIC et al., "Task Migration on Top of the Mach Microkernel", Proceedings of the USENIX Mach III Symposium, 1993, pages 273-289;

(31) STEKETEE et al., "Implementation of Process Migration in Amoeba", Proceedings of the 14th International Conference on Distributed Computing Systems, 1994, pages 194-201;

(32) An article by LITZKOW et al., entitled "Checkpoint and Migration of UNIX Processes in the Condor Distributed Processing System", Dr. Dobbs Journal, February, 1995; and

(33) BYLINE, "LEGENT Downsizes Software Distribution Pack", Journal: Network World Top News Section Heading Text, published February 7, 1994. Applicants note that a copy of this document is not available at this time, however, a copy will be forwarded to the Examiner if a copy becomes available.

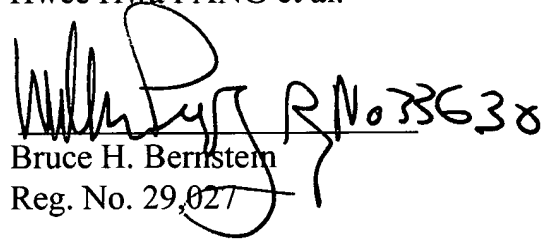
Applicants respectfully request that the Examiner consider the above materials and cite the various documents. Copies of the above-noted documents (except documents 1, 2, 4, and 33) are attached and have been listed on a PTO-1449 Form which is also attached hereto. A copy of the above-mentioned International Search Report is also attached hereto. Accordingly, the Examiner is requested to initial the appropriate spaces on the attached PTO-1449 Form and to return a copy of the Form to Applicants with the next official communication in the present application to confirm consideration of these documents.

Applicants note that an Office Action on the merits has not yet issued in the instant application, and thus, no fee is required to ensure consideration of the items of information cited in this statement.

P21103.A04

Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully submitted,
Hwee Hwa PANG et al.

 R No 33638
Bruce H. Bernstein
Reg. No. 29,027

April 11, 2002
GREENBLUM & BERNSTEIN, P.L.C.
1941 Roland Clarke Place
Reston, VA 20191
(703) 716-1191

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P21103Serial No.
09/856,515INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

Applicant
Hwee Hwa PANG et al.Filing Date
June 15, 2001Group
2151

RECEIVED

APR 16 2002

Technology Center 2100

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4 7 4 0 9 6 9	04/26/88	FREMONT			
	4 9 5 4 9 4 1	09/04/90	REDMAN			
	5 1 7 5 8 2 8	12/29/92	HALL et al.			
	5 1 9 9 0 6 6	03/30/93	LOGAN			
	5 3 3 9 4 3 0	08/16/94	LUNDIN et al.			
	5 5 5 7 7 3 6	09/17/96	HIROSAWA et al.			
	5 5 9 0 2 7 7	12/31/96	FUCHS et al.			
	5 6 2 9 9 8 0	05/13/97	STEFIK et al.			
	5 6 3 0 0 4 7	05/13/97	WANG			
	5 6 5 9 7 5 1	08/19/97	HENINGER			
	5 6 6 4 0 8 8	09/02/97	ROMANOVSKY et al.			
	5 6 8 9 5 6 0	11/18/97	COOPER et al.			
	5 6 9 4 4 6 9	12/02/97	LE RUE			
	5 6 9 6 9 7 5	12/09/97	MOORE et al.			
	5 7 1 2 9 7 1	01/27/98	STANFILL et al.			
	5 7 2 4 4 2 3	03/03/98	KHELLO			
	5 7 5 1 9 3 9	05/12/98	STIFFLER			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	9 8 / 4 9 6 4 3	11/05/98	W.I.P.O.			
	9 7 / 0 0 4 7 6	01/03/97	W.I.P.O.			
	9 8 / 1 3 7 5 3	04/02/98	W.I.P.O.			
	0 7 6 2 7 8 9	03/12/97	E.P.O.			
	0 7 8 8 0 5 2	08/06/97	E.P.O.			
	2 0 3 2 1 4 9	04/30/97	E.P.O.			

EXAMINER

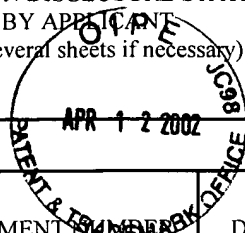
DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P21103Serial No.
09/856,515

INFORMATION DISCLOSURE STATEMENT

BY APPLICANT
(Use several sheets if necessary)Applicant
Hwee Hwa PANG et al.Filing Date
June 15, 2001Group
2151**RECEIVED****APR 16 2002****Technology Center 2100**

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	Microsoft Office 97, 1997; Power Point 97, Pack&Go, Save as HTML; Outlook 97; Scheduler.
	2	Aptiva Handbook (IBM), published June, 1996, along with an English language translation of the same.
	3	printout of a Web Site entitled "Rapid Resume", retrieved by the Examiner on February 16, 2000.
	4	Printout of a Website entitled "Scheduler", retrieved by the Examiner on March 7, 2000.
	5	DOUGLAS et al., "Transparent Process Migration: Design Alternatives and the Sprite Implementation", Software Practice and Experience 21(8), August, 1991, pages 757-786.
	6	ARTSY et al., "Designing a Process Migration Facility: The Charlotte Experience", IEEE Computer 22(9), September, 1989, pages 47-56.
	7	MILOJICIC et al., "Task Migration on Top of the Mach Microkernel", Proceedings of the USENIX Mach III Symposium, 1993, pages 273-289.
	8	STEKETEE et al., "Implementation of Process Migration in Amoeba", Proceedings of the 14th International Conference on Distributed Computing Systems, 1994, pages 194-201.
	9	Article by LITZKOW et al., entitled "Checkpoint and Migration of UNIX Processes in the Condor Distributed Processing System", Dr. Dobbs Journal, February, 1995.
	10	BYLINE, "LEGENT Downsizes Software Distribution Pack", Journal: Network World Top News Section Heading Text, published February 7, 1994.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.